

Instructions

Video Output Board
WV-PB5504A

Panasonic®

Before attempting to connect or operate this product, please read these instructions carefully.

Caution

When handling this board, hold only by circuit board edges. Otherwise components on the board may be damaged by static electricity.

PREFACE

The WV-PB5504A Video Output Board is provided for expanding the video output capability of the Matrix Switcher.

APPEARANCE

1. Alarm Output/Reset Output Connector (ALARM OUT/RESET OUT)

External Timing Input Connector (EXT TIMING IN)

Recover Input Connector (RECOVER IN)

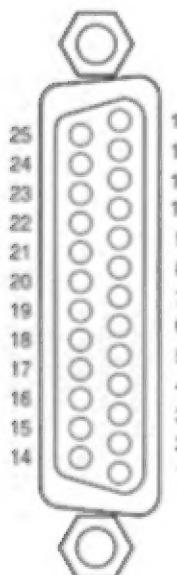
ALARM OUT: When the Matrix Switcher receives an alarm from the WV-PB5564 Alarm Board or camera site receivers WV-RC100 or WV-RC150, the alarm output signal is provided at this connector for the Time Lapse VCR. The active pin number of the alarm output depends on the alarm mode set by the on-screen program (Mode-1, Mode-2, Mode-3).

RESET OUT: When the Matrix Switcher resets the activated alarm, the alarm reset output signal, either Open Collector or pulse, is provided at this connector for the Time Lapse VCR.

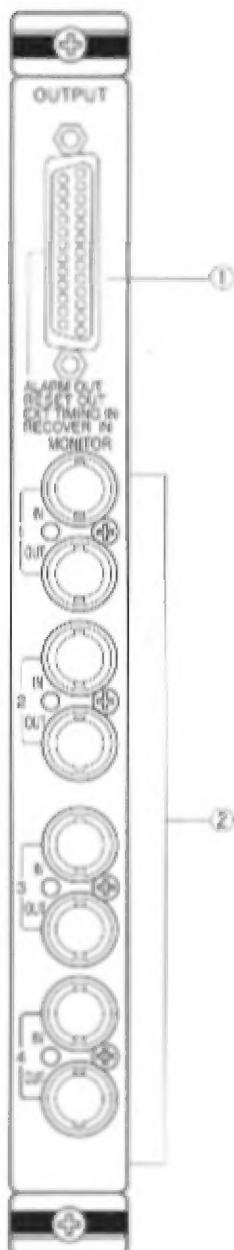
EXT TIMING IN: The camera switching interval (Sequential Dwell Time) can be synchronized with the lapse mode set in the Time Lapse VCR.

EXT. TIMING IN 1 controls Monitor 1 output, EXT. TIMING IN 2 controls Monitor 2 output, etc. Supply the camera switching pulse from the Time Lapse VCR to this connector. Minimum duration for camera switching pulse needs to be more than one (1) second.

RECOVER IN: This connector accepts the alarm recover signal from the Time Lapse VCR.



Pin No.	Designation
1	ALARM OUT 1
2	RESET OUT 1
3	RECOVER IN 1
4	Ground
5	EXT TIMING IN 1
6	Ground
7	ALARM OUT 2
8	RESET OUT 2
9	RECOVER IN 2
10	Ground
11	EXT TIMING IN 2 (+5V DC)
12	ALARM OUT 3
13	RESET OUT 3
14	RECOVER IN 3
15	Ground
16	EXT TIMING IN 3
17	Ground
18	ALARM OUT 4
19	RESET OUT 4
20	RECOVER IN 4
21	Ground
22	EXT TIMING IN 4
23	Ground
24	Ground
25	Ground



2. Monitor Input/Output Connector (MONITOR IN/OUT)

OUT: The video signal selected by the Matrix Switcher is provided at this connector for the video monitor.

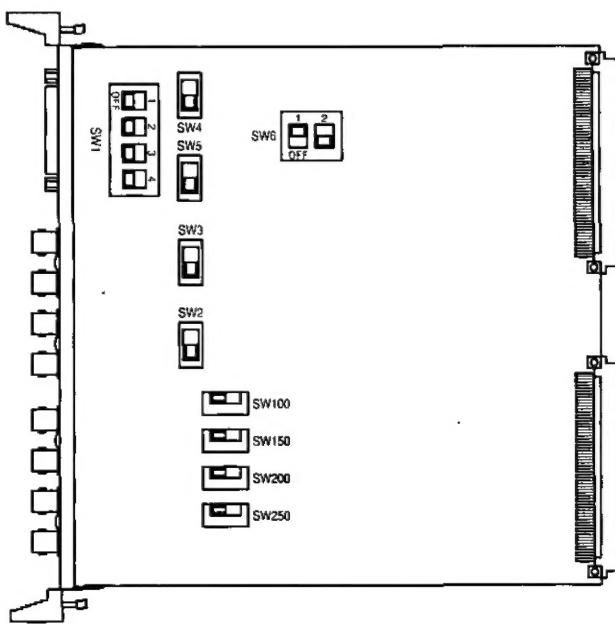
IN: This connector is used for video input from a VCR or system expansion to 128 camera input.

BOARD SETTING

Before installing this board, the following settings should be made by qualified service personnel or system installers.

1. Set switches (SW1) on the board to meet the monitor output number as shown in the following table.
Initially, monitor 1-4 is selected at the factory.

BOARD NO.	MONITOR OUT NO.	SW1 SETTING
1	1-4	
2	5-8	
3	9-12	
4	13-16	
5	1-4	
6	5-8	
7	9-12	
8	13-16	



2. Set switches (SW2/SW3/SW4/SW5) on the board to choose the alarm reset output signal as either Open Collector (OPEN C.) or Pulse (VTR).

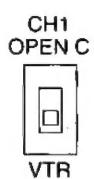
Open Collector (OPEN C.): 16VDC 100mA max.

Pulse (VTR): +5VDC approx. 500 msec.

Initially, VTR positions are selected at the factory.

Note

Be careful when setting these switches as the switches are not physically located on the board in numerical order. Switch location from the top of the board, going downward, is: SW4 (reset out 3), SW5 (reset out 4), SW3 (reset out 2) and SW2 (reset out 1).



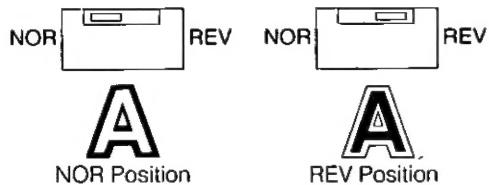
3. Set switches (SW100/SW150/SW200/SW250) on the board to choose the character display mode on the monitor.

NOR: White with Black border

REV: Black with White border

Initially, normal (NOR) positions are selected at the factory.

BOARD NO.	MONITOR OUT NO.			
	SW100	SW150	SW200	SW250
1 (5)	1	2	3	4
2 (6)	5	6	7	8
3 (7)	9	10	11	12
4 (8)	13	14	15	16

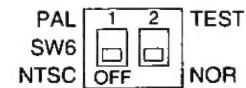


4. Confirm switches (SW6) on the board are set to the following positions.

Note

These switches are used only for factory test.

Always keep these switches in the "OFF" positions in the field.



INSTALLATION

Caution

Before installing this board be sure to turn off the Power Switch of the Matrix Switcher.

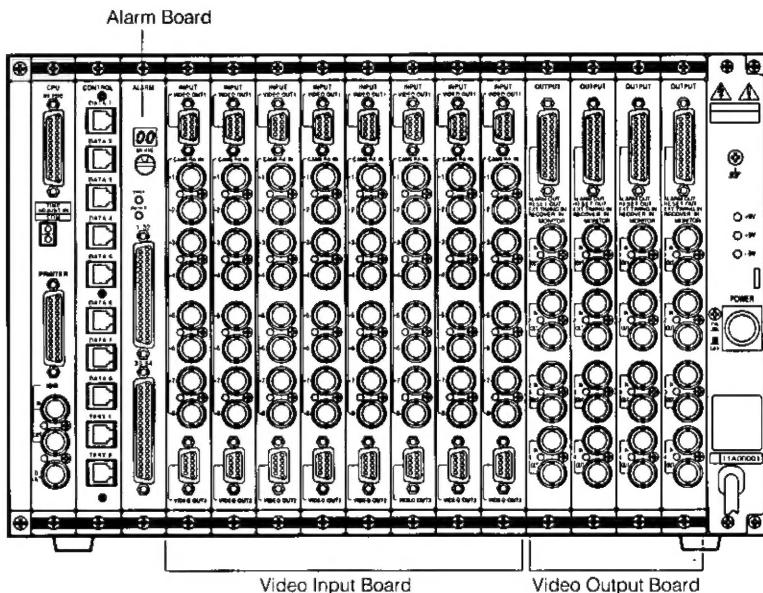
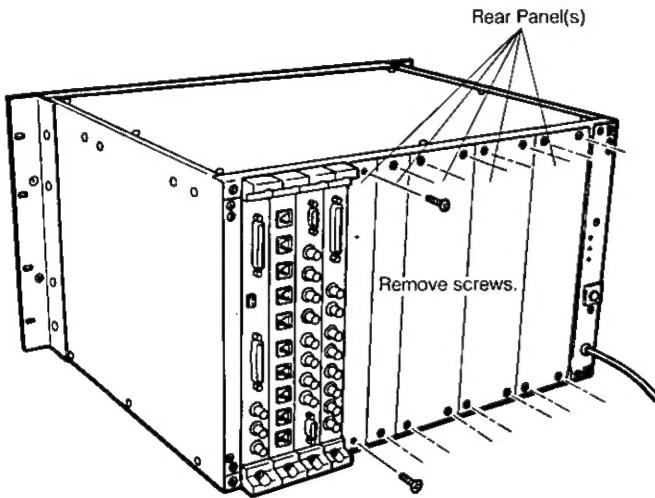
The following installation should be made by qualified service personnel or system installers.

1. Remove the screws on the rear panel(s) of the Matrix Switcher.
2. Remove the rear panel(s).
3. Place the Video Output Board into the desired position in the rear of Matrix Switcher by sliding it inside the board guides.

Note

Each slot is identical, so the board can be installed in any slot.

However it is recommended to install the board as shown below for an orderly installation.

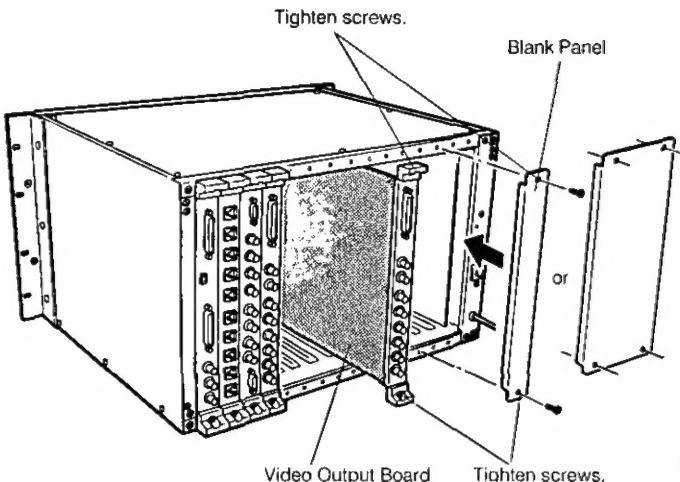


4. Make sure to push in the Video Output Board until it is seated firmly.
5. Secure the Video Output Board by tightening the two screws on the board.
6. Close off open spaces on the rear of the Matrix Switcher by using Blank Panels WV-Q63 (Optional) or supplied rear panel(s).

(Refer to the instructions for WV-Q63)

Note

Refer to the Operating Instructions of WJ-SX550A for more details.



SPECIFICATIONS

Monitor Output (1 - 4):	1.0V[p-p]/75Ω composite video signal
Monitor Input (1 - 4):	1.0V[p-p]/75Ω composite video signal
Alarm Output (1 - 4):	Open collector output: 16VDC 100mA max.
Reset Output (1 - 4):	Pulse (VTR): +5VDC 500msec. or Open collector output: 16VDC 100mA max.
External Timing Input (1 - 4):	Pulse 5V[p-p] interval time more than one second
Recover Input (1 - 4):	Make Contact or Open collector Input Contact time more than 0.5 second Interval time more than two seconds
Character Generator:	Camera ID; 30 characters (15 x 2 lines) Character Style; White with Black Border Black with White Border
Dimensions:	24.5 (W) x 265 (H) x 260 (D) mm 15/16" (W) x 10-7/16" (H) x 10-1/4" (D)
Weight:	400g (0.9 lbs.)

Weight and dimensions indicated are approximate.
specifications are subject to change without notice.

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